

**METHOD AND APPARATUS
FOR ELECTROMAGNETIC DRYING OF PRINTED MEDIA**

ABSTRACT

A method, apparatus and article of manufacture for providing electromagnetic drying
5 of printed media. A resonant cavity allows support of standing waves along many radial axes
throughout the resonant cavity. The electromagnetic drying unit allows forced air to be
introduced into the resonant cavity, thereby reducing moisture within the resonant cavity and
extending the life of the resonant cavity. Input and output openings may be arranged
longitudinally along the resonant cavity and may be designed to substantially reduce the
10 amount of electromagnetic radiation emanating from them during operation. A honeycomb
feature at the end of the resonant cavity may allow egress of the forced air, while
substantially reducing the amount of electromagnetic radiation emanating from the end of the
resonant cavity.